

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,922,642 B2
 APPLICATION NO. : 10/751588
 DATED : July 26, 2005
 INVENTOR(S) : Darius Martin Sullivan

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6,

Line 57, “ $\phi_{12}^*(\omega) = \left| \sum_j W_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ ” should

read -- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ --.

Column 8,

Line 24, “time to at which” should read -- time t_0 at which --.

Line 37, “ $\Pi_j W_j'(t)$ ” should read -- $\prod_j W_j'(t)$ --.

Line 46, “ $W_j'(t)$ ” should read -- $W_j'(t)$ --.

Lines 53 and 65, “ $\Pi_j W_j'(t_0)$ ” should read -- $\prod_j W_j'(t_0)$ --.

Column 13,

Lines 24 and 26, “ $W_1'(t)$ and $W_2'(t)$ ” should read -- $W_1'(t)$ and $W_2'(t)$ --.

Line 48, “ $G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega$ ” should

read -- $G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega$ --.

Column 15,

Line 22, “ $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ ” should

read -- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ --.

Column 16,

Line 10, “ $W_1'(t)$ ” should read -- $W_1'(t)$ --.

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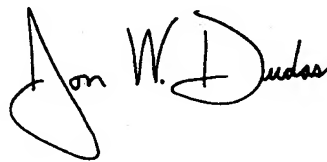
Column 17,

Line 22, "A contract sensitive device according to claim 3, wherein the optimisation maximum value of the product is obtained." should read -- A contact sensitive device according to claim 3, wherein the optimisation includes iterative refinement of estimates of a location of the contact and a time for which the maximum value of the product is obtained. --.

This certificate supersedes Certificate of Correction issued March 14, 2006.

Signed and Sealed this

Fourth Day of July, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office